Table S1. Plasmids used in this study

Plasmid	Relevant characteristics	Primers	Reference
Plasmids for complementation analysis			
pGP888			Diethmaier *et al.*, 2011
pGP1857	pGP888-*cshB*	HP7+ML263	This study
pGP1858	pGP888-*yfmL*	HP9+ML265	This study
pGP1886	pGP888-*cshA*	HP3+ML255	This study
Plasmids for the construction of FLAG-tagged alleles			
pGP1331			Lehnik-Habrink *et al.*, 2010
pGP1345	*deaD*-FLAG	ML181/ML182	This study
pGP1346	*yfmL*-FLAG	ML127/ML128	This study
pGP1087			Diethmaier *et al*., 2011
pGP1895	*rplA*-FLAG	ML302/ML303	This study
Plasmids for bacterial two-hybrid analysis			
pUT18			Karimova *et al.,* 1998
pUT18C			Karimova *et al.,* 1998
p25-N			Claessen *et al.,* 2008
pGP1334	pUT18-*rplA*	ML165+ML18	This study
pGP1335	pUT18C-*rplA*	ML165+ML18	This study
pGP1338	pUT18-*rplC*	ML169+ML29	This study
pGP1339	pUT18C-*rplC*	ML169+ML29	This study
pGP1395	pUT18-*rplD*	ML167+ML19	This study
pGP1396	pUT18C-*rplD*	ML167+ML19	This study
pGP1602	p25-N-*cshA*		Lehnik-Habrink *et al.*, 2010

Table S2. Primers used in this study.

Primer	Sequence	Remarks
	restriction sites are underlined	
Construction of RNA helicase mutants		
cshA		
ML129	CCTATCACCTCAAATGGTTCGCTGCTCCTTCTAATTGCTGTTTCAGTAAT	Up rev
ML130	ATGCATACAGCTGCCAGAC	Up fwd
ML131	CGAGCGCCTACGAGGAATTTGTATCGCCTATGACAAAAAGCGTTCAAACG	Down fwd
ML132	CGTATTCATTGTTTGAATCCGATCAA	Down rev
deaD		
ML137	CCTTTATGAGGTGAAGGTGAC	up fwd
ML138	CCTATCACCTCAAATGGTTCGCTGCCAATGCTCGTAAAATGTCATGA	up rev
ML139	CGAGCGCCTACGAGGAATTTGTATCGGTAGGAACGATTGCCAAAATTGAC	down fwd
ML140	GACTATTCCAGTGTCTGTATCG	down rev
cshB		
ML176	ATTATAGCCAATCTCACTTAAGATATCAAAG	up fwd
ML177	CCTATCACCTCAAATGGTTCGCTGGCATCTATAATAAATGGTTTCAATTCATA AAGTTC	up rev
ML178	CGAGCGCCTACGAGGAATTTGTATCGGAAATTGCTCATCGTCTCGTG	down fwd

ML179	GCATTTCAATCTCAAAACGGTATGG	down rev
yfmL		
ML184	CTGCTGCTGCTTTTTGTAGG	up fwd
ML185	CCTATCACCTCAAATGGTTCGCTGCCAATTCTCTTGTATAAATGATTGTGC	up rev
ML186	CGAGCGCCTACGAGGAATTTGTATCGGTGACAAAATTGGAGGAATCTAAGC	down fwd
ML187	GGTGATGAATCTGCTCAATGAATTTG	down rev
Bacterial two-hybrid analysis		
ML18	5‘-TTTGGTACCCGTTTTACGTTAAAAGTTGAAGAGTCTACTTTGAC	KpnI
ML19	5‘-TTTGGTACCCGTGCAAGCACCTCCTCTACTTTTTC	KpnI
ML29	5‘-TTTGGTACCCGTTTAGATTTAACAGCACTTTTAACAGTGATTAAAG	KpnI
ML165	5‘-AAATCTAGAGATGGCTAAAAAAGGTAAAAAGTACGTTG	XbaI
ML167	5‘-AAATCTAGAGATGCCAAAAGTAGCATTATACAACCAAAACG	XbaI
ML169	5‘-AAATCTAGAGATGACCAAAGGAATCTTAGGAAGAAAAATTGG	XbaI
RNA probe for Northern blot analysis		
***frlB* probe**		
LR11	5‘-GGCCACAGCAAAAGTAAATCGTGAGG	
LR12	5‘-CTAATACGACTCACTATAGGGAGATCTCCTCTGCCAGCTCGTCTGC	
***ysbA* probe**		
LR1	5’-GAGTGCTAAAAAAGTGTACGGGTTTTTAACAC	
LR2	5‘-CTAATACGACTCACTATAGGGAGAATGGTGAACGAGTTCGTTATTGTTCTGC	
Complementation analysis		
cshA		
HP3	AAATCTAGAGGTGGTAAATCACGACATTACTGAAACAGCAATTAG	XbaI
ML255	TTTGGTACCCGTTATTAGTAAGATTTTTTCTGGCGTCTGTCACCTG	KpnI
cshB		

HP7	AAATCTAGAGATGAAAGAAACGAAATTTGAACTTTATGAATTGAAACCAT	XbaI
ML263	TTTGGTACCCGTTACTACTTTCTTTTCTTAGATTGGTTTCTTCTCTGTTTTTTC	KpnI
yfmL		
HP9	AAATCTAGAGATGACGCAAACTTGGCCATTTTTACATAATGCAC	XbaI
ML265	TTTGGTACCCGTTATTTCGTCTTCAGTTTTCCGCCTGCATAC	KpnI

Construction of FLAG tag plasmids

deaD		
ML181	5'-ACAGTCGACTTTATTCGCTTTATTCACCTTCAGCTG	BamHI
ML182	5'-ACAGGATCCGAATTGGATGACTTGGGATATCC	KpnI
yfmL		
ML127	5'-ACAGTCGACTTTCGTCTTCAGTTTTCCGCCT	BamHI
ML128	5'- ACAGGATCCGAGCATCGCGAAACGATGAAG	KpnI
rplA		
ML302	5'-TTTAAGCTTCTACAGTTGAAGTGGCTTTCCGTTTAGG	HindIII
ML303	5'-TTTGGTACCTTTTACGTTAAAAGTTGAAGAGTCTACTTTGACACCAG	KpnI